



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/703,157	10/31/2000	John D. Frazier	NCRC-0014-US (9169)	9753
26890	7590	10/20/2005	EXAMINER	
JAMES M. STOVER NCR CORPORATION 1700 SOUTH PATTERSON BLVD, WHQ4 DAYTON, OH 45479			GYORFI, THOMAS A	
			ART UNIT	PAPER NUMBER
			2135	

DATE MAILED: 10/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/703,157

Applicant(s)

FRAZIER ET AL.

Examiner

Tom Gyorfi

Art Unit

2135

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 04 August 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-9,13-15,17 and 18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9,13-15,17 and 18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

1. Claims 1-9, 13-15, and 17-18 remain for examination.
2. In view of the appeal brief filed 8/4/05, prosecution has been reopened. New grounds of rejection are set forth below.

***Claim Rejections - 35 USC § 103***

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
4. Claims 1-3, 5-8, 13-15 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Davies (U.S. Patent 6,262,741) and further in view of Roy et al. (U.S. Patent 5,966,135).

Referring to Claim 1:

Davies teaches a method of gathering data from a database, comprising: storing within a database table, objects containing image data, said database table comprising at least one row including objects having multiple data types, each data type being stored within a different column within said database (Figure 7B-1); receiving, in a server system, objects extracted from at least one row of said database table in response to a first request received from a client system, the objects corresponding to one or more layers (col. 7, lines 30-40; col. 11, line 50 – col. 12, line 55); displaying said representation of the image data in the client system (col. 14, lines 35-40), generating a second request for at least one additional layer of image data in response to a selection

Art Unit: 2135

at said client system of an element of the delayed representation of the image data (element 628 of Fig. 10; col. 14, lines 58-60); receiving, in a server system, additional objects extracted from at least one additional row of said database table in response to a first request received from a client system, the objects corresponding to one or more layers (col. col. 11, line 50 – col. 12, line 55); and displaying said updated representation of the image data in the client system (col. 14, lines 35-40; Figs. 6a-6f).

Davies appears to be silent regarding combining the received image data into a single file containing a representation of the image data for communication to the client system. However, Roy discloses this limitation (col. 4, lines 55-65; col. 5, lines 10-20). It would have been obvious to one of ordinary skill in the art at the time the invention was made to include this limitation into the system disclosed by Davies. The motivation for doing so would be to allow the use of a commonly used technology (a Web browser) to facilitate viewing geographic data over a network (col. 3, lines 25-37).

Referring to Claim 13:

Davies teaches a system comprising: a database including a database table, said database table comprising at least one row including objects containing geospatial data, said objects having multiple data types, each data type being stored within a different column within said database table (Figure 7B-1); an interface to said database system (element 322 of Figure 8), an interface to said client system (element 342 of Figure 8), a controller adapted to receive a first request from the client system, and in response to said first request: receive objects containing geospatial data extracted from

Art Unit: 2135

the database system (col. 11, line 50 – col. 12, line 55); means for displaying said visual representation of the image data in the client system (element 112 of Figure 8); and said controller further adapted to receive a second request from the client system generate in response to a selection at said client system of an element of the displayed representation of the image data in the client system, and in response to said second request, receive additional objects containing geospatial data extracted from the database system (col. 11, line 50 – col. 12, line 55).

Davies appears to be silent regarding combining the objects into a single file containing a representation of the image data for communication to the client system. However, Roy discloses this limitation (col. 4, lines 55-65; col. 5, lines 10-20). It would have been obvious to one of ordinary skill in the art at the time the invention was made to include this limitation into the system disclosed by Davies. The motivation for doing so would be to allow the use of a commonly used technology (a Web browser) to facilitate viewing geographic data over a network (col. 3, lines 25-37).

Referring to Claims 2 and 14:

Davies in view of Roy discloses the limitations as discussed in Claims 1 and 13 above. Davies further discloses said database comprises an object relational database (col. 8, lines 55-60).

Referring to Claims 3 and 17:

Davies in view of Roy discloses the limitations as discussed in Claims 1 and 13 above. Roy further discloses creating a file comprises creating a markup language file (col. 8, lines 45-55).

Referring to Claim 5:

Davies in view of Roy discloses the limitations as discussed in Claim 1 above. Davies and Roy further disclose said objects containing geospatial data (Davies: Figures 6A-6F; Roy: col. 5, lines 20-35).

Referring to Claims 6, 7, and 15:

Davies in view of Roy discloses the limitations as discussed in Claims 1 and 13 above. Davies and Roy further discloses said objects contain geospatial data and said multiple data types include at least one of the following elements: an image, points, lines, and polygons (Davies: col. 7, lines 62-67; Roy: col. 5, lines 20-35).

Referring to Claim 8:

Davies in view of Roy discloses the limitations as discussed in Claim 7 above. Roy further discloses combining the objects comprises combining two or more of the image, points, lines, and polygons (col. 3, lines 40-60; col. 6, lines 10-25; col. 7, lines 45-55).

5. Claims 4, 9, and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Davies and Roy as applied to claims 3, 8, and 13 above, and further in view of Lipkin (U.S. Patent 6,348,927).

Referring to Claims 4, 9, and 18:

Davies and Roy disclose the limitations as discussed in Claims 3, 8, and 13.

Davies in view of Roy does not explicitly disclose the claimed "creating a Virtual Reality Markup Language file".

Lipkin discloses creating the file comprises creating a Virtual Reality Markup Language file (col 5, lines 45-55).

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to modify Davies in view of Roy to create a Markup Language file. One of ordinary skill in the art would have been motivated to do this because it would allow the information to be displayed on a browser (Lipkin: Fig. 1).

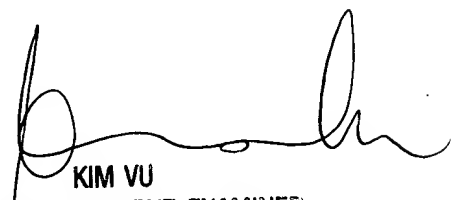
***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tom Gyorfi whose telephone number is (571) 272-3849. The examiner can normally be reached on 8:30am - 5:00pm Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on (571) 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TAG  
10/17/05

  
KIM VU  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2101